## Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

- 1. (Canceled)
- 2. (Canceled)
- 3. (Canceled)
- 4. (Canceled)
- 5. (Canceled)
- 6. (Canceled)
- 7. (Canceled)
- 8. (Canceled)
- 9. (Canceled)
- 10. (Canceled)
- 11. (Canceled)
- 12. (Canceled)

- 13. (Canceled)
- 14. (Canceled)
- 15. (Previously Presented) An electrochemical device comprising: a first compartment comprising electroactive media that is substantially free of anion-exchange resin and is bounded by a first anion-selective membrane and a second anion-selective membrane;

a second compartment disposed adjacent the first compartment, the second compartment defined at least partially by a first cation-selective membrane and the first anion-selective membrane, and the second compartment comprising a first mixed bed of cation exchange resin and anion exchange resin:

a first depleting compartment disposed adjacent the second compartment, the first depleting compartment defined at least partially by the first cation-selective membrane and a third anion-selective membrane:

a concentrating compartment disposed adjacent the first depleting compartment, the concentrating compartment defined at least partially by the third anion-selective membrane:

a second depleting compartment disposed adjacent the first compartment, the second depleting compartment defined at least partially by the second anion-selective membrane and a second cation-selective membrane; and

a cathode compartment fluidly connected downstream from the first compartment.

## 16. (Canceled)

a trapping compartment consisting essentially of cation exchange resin, a first anion-selective membrane, and a second anion-selective membrane:

## a cathode compartment fluidly connected to an outlet of the trapping compartment; and

a first depleting compartment disposed between the trapping compartment and the eathode compartment.

- 17. (Canceled)
- 18. (Canceled)
- 19. (Canceled)
- 20. (Canceled)
- 21. (Canceled)
- 22. (Canceled)
- 23. (Canceled)
- 24. (Canceled)
- 25. (Canceled)
- 26. (Canceled)
- 27. (Canceled)
- 28. (Canceled)

- 29. (Canceled)
- (Canceled)
- 31. (Canceled) A method of facilitating liquid treatment comprising providing an electrochemical device, comprising at least one compartment that is at least partially filled with eation exchange resin and bounded by anion-selective membranes on each side thereof, a depleting compartment disposed adjacent a first side of the at least one compartment, and a concentrating compartment disposed adjacent a second side and opposite the first side of the at least one compartment; and

connecting a power supply to the electrochemical device, the power supply configured to provide a reversible electrical current to the electrochemical device.

- 32. (Canceled) A method of facilitating liquid treatment comprising providing an electrochemical device comprising a trapping compartment consisting essentially of cation exchange resin and anion selective membranes; a depleting compartment disposed adjacent the trapping compartment; and a cathode compartment fluidly connected to an outlet of the trapping compartment, the cathode compartment in ionic communication with the trapping compartment through the depleting compartment.
- (Canceled)
- 34. (Previously Presented) The electrochemical device of claim 15, wherein the first depleting compartment comprises a second mixed bed of cation exchange resin and anion exchange resin.

- 35. (Canceled)
- 36. (Previously Presented) The electrochemical device of claim 34, wherein the second depleting compartment comprises a third mixed bed of cation exchange resin and anion exchange resin.
- 37. (Currently Amended) The <u>electrochemical</u> device of claim 36, wherein the cathode compartment is in ionic communication with the first compartment through the second depleting compartment.
- 38. (Currently Amended) The <u>electrochemical</u> device of claim 15, wherein the first depleting compartment is fluidly connected downstream of a pressurized reservoir.
- 39. (Currently Amended) The <u>electrochemical</u> device of claim 38, wherein the pressurized reservoir is fluidly connected to at least one of a washing machine. a faucet serving to provide water to a kitchen sink, and a showerhead.
- 40. (Canceled) The electrochemical device of claim 39, wherein the pressurized reservoir comprises a vessel-with a heating coil disposed to heat water in the vessel.

- 41. (Canceled) The device of claim 16, further comprising:
  a first concentrating compartment disposed adjacent the trapping
  compartment, the first concentrating compartment containing a mixture of cation
  exchange resin and anion exchange resin; and
- a second depleting compartment disposed adjacent the first concentrating compartment, the second depleting compartment containing a second mixture of cation exchange resin and anion exchange resin.
- 42. (Currently Amended) The method of claim [[31]]47, further comprising providing a controller configured to regulate operation of the power supply to provide the reversible electrical current to the electrochemical device that produces a treated liquid product having a conductivity in a range of from 150 µS/cm to 300 µS/cm.
- 43. (Canceled) The method of claim 32, further comprising providing a controller configured to regulate operation of the electrochemical device to provide a treated liquid product having a conductivity in a range of from 150 μS/cm to 300 μS/cm.
- 44. (Currently Amended) The method of claim [[43]]42, further comprising connecting a conductivity sensor to the controller.
- 45. (Previously Presented) The method of claim 44, further comprising connecting the electrochemical device to a pressurizable reservoir.
- 46. (Previously Presented) The method of claim 45, wherein connecting the conductivity sensor comprises installing the conductivity sensor on the pressurizable reservoir.

- 47. A method of facilitating liquid treatment comprising: (New) providing an electrochemical device having a first compartment comprising electroactive media that is substantially free of anion-exchange resin and is bounded by a first anion-selective membrane and a second anion-selective membrane; a second compartment disposed adjacent the first compartment, the second compartment defined at least partially by a first cation-selective membrane and the first anion-selective membrane, and the second compartment comprising a first mixed bed of cation exchange resin and anion exchange resin; a first depleting compartment disposed adjacent the second compartment, the first depleting compartment defined at least partially by the first cation-selective membrane and a third anion-selective membrane; a concentrating compartment disposed adjacent the first depleting compartment, the concentrating compartment defined at least partially by the third anion-selective membrane; a second depleting compartment disposed adjacent the first compartment, the second depleting compartment defined at least partially by the second anion-selective membrane and a second cation-selective membrane; and connecting a power supply to the electrochemical device, the power supply configured to provide a reversible electrical current to the electrochemical device.
- 48. (New) The method of claim 47, further comprising connecting the electrochemical device to a pressurizable reservoir which is fluidly connectable to at least one of a washing machine, a faucet serving to provide water to a kitchen sink, and a showerhead.